JAVA ASSIGNMENT -1

1. Create two integer variables (a and b) after that assign value for them. Then swap value of a and b.

Hint: Using a c variable to transfer value temporary.

1. Write a program to input three numbers as math, physics, and chemistry. Output average and rank according to the following:

|  |  |
| --- | --- |
| **AVG** | **Rank** |
| >=8.0 | A |
| >=6.5 | B |
| >=5.0 | C |
| <5.0 | D |

Hint: Declare average and rank variable and calculate value for them.

1. Write a program to find x from ax + b =0 equation with a and b are input from keyboards.
2. Write a program to find x from ax2 + bx + c =0 equation with a and b are input from keyboards.
3. Write a program to calculate sum of first 50 integer number.
4. Write a program to print to screen first 20 numbers of Fibonacci numbers.
5. Create an application to manage student’s information as below:

* Create variables to save a student’s information like: studentCode, studentName, studentAge, studentSex and set value for them.
* Print student’s information to screen.
* Edit program to permit user inputs data from keyboard.
* Edit program to permit user inputs a list of student from keyboard until “esc” key pressed.

1. Write a program to accepts a number n from 1 to 12 and then print number of days in month n of the current year. If user enter a number out of range an error message will display.

Hint: Use switch case statement

1. Write program to accepts two integer numbers (a and b), then calculate and display their greatest common divisor.

Hint: define function **int greatestCommonDivisor(int a, int b)**

Example: greatestCommonDivisor (18, 12) = 6;

(Ước số chung lớn nhất – Có thể xem thuật toán trên mạng)

1. Write a program to accept an integer number and print the triangle as below:

Example:

N = 3

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N = 4

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Example:

N = 3

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N = 4

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The End